

Appl. No. 10/690,655
Amdt. dated 4/4/06
Reply to Office Action of 11/3/05

PATENT
Docket: 020548

REMARKS

Reconsideration and allowance of the above-referenced application are respectfully requested.

Upon entry of this amendment, claims 1-17 and 20-30, as amended, will remain in the application.

Claim Rejections – 35 USC 102

Claims 1-30 were rejected under 35 U.S.C. 102(b) as allegedly being anticipated by Younis et al. (U.S. Patent No. 6,134,430, hereinafter “Younis”).

The Action states on Page 2 that “Younis discloses a state machine controlling the receiver based on the results of the jammer detector detecting the presence of jamming in the RF signal.” However, the Applicant has reviewed Younis, in particular the passages referenced in the Action, and can find no indication that Younis discloses a state machine.

Applicant teaches the use of a state machine for controlling the receiver between a high linearity receiving mode and a low linearity receiving mode such that the receiver enters the high linearity receiving mode quickly and is slow to leave the high linearity receiving mode, which consumes more power than the low linearity receiving mode, but is optimized for jammer rejection (see, e.g., page 11, line 25 to page 12, line 3). The “turbo” mode described in the application corresponds to a high linearity receiving mode and the “non-turbo” mode corresponds to a low linearity receiving mode as shown in the truth table on page 9 and FIG. 6 and the corresponding text in paragraphs [0030] to [0031].

Consider exemplary independent claim 1, as amended, which recites in relevant part:

“A programmable dynamic range receiver, comprising:
... a state machine ... operative to transition the receiver between a plurality of states, said states including at least one state corresponding to a high linearity receiving mode and at least one state corresponding to a low linearity receiving mode, wherein the state machine is operative to enter a state corresponding to the high linearity receiving mode faster than entering a state corresponding to the low linearity receiving mode and operative to leave a state corresponding to the high linearity receiving mode slower than leaving a state corresponding to the low linearity receiving mode.”

Younis does not describe a state machine for controlling the receiver between a high linearity receiving mode and a low linearity receiving mode such that the receiver enters the high

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linearity receiving mode quickly and is slow to leave the high linearity receiving mode.
Accordingly, Applicant submits that independent claims 1, 15, 16, 27, and 29, and their dependencies, are allowable.

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CONCLUSION

In light of the amendments contained herein, Applicants submit that the application is in condition for allowance, for which early action is requested.

Please charge any fees or overpayments that may be due with this response to Deposit Account No. 17-0026.

Respectfully submitted,

Dated: 4/4/06

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